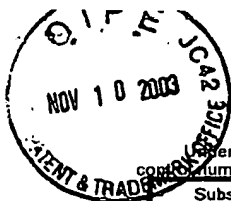


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Substitute for form 1449/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/603,132	
			Filing Date	June 24, 2003	
			First Named Inventor	James L. McNaughton	
			Group Art Unit	---	
			Examiner Name	---	
Sheet	2	of	2	Attorney Docket Number	SU-7273

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
sk	L-1	"4500-Cl Chlorine (Residual)": Standard Methods for the Examination of Water and Wastewater; 18 <sup>th</sup> Edition, 1992, pages 4-36 to 4-37.		
	L-2	"Chlorine, Free and Total, For water, wastewater and seawater"; Hach Water Analysis Handbook; 3 <sup>rd</sup> Edition; 1997; pages 1206-1207.		
	L-3	Ikeme, A.I. et al.; "Extending the Shelf-Life of Chicken Broiler Meat"; Poultry Science, 1982; pages 2200-2207.		
	L-4	"Chlorination"; Handbook of Industrial Water Conditioning; 7 <sup>th</sup> Edition; 1976; pages 24-29.		
	L-5	Cantrell, Evisceration Equipment, from Cantrell website <a href="http://www.cantrell.com/evislist1.htm">http://www.cantrell.com/evislist1.htm</a> , website visited 9/19/2003, unknown publication date, 5 pages.		
	L-6	Meyn, Product Line, from website <a href="http://www.meyn.nl/product_line.html">http://www.meyn.nl/product_line.html</a> , website visited 1/31/2003, unknown publication date, 5 pages.		
	L-7	Baader Johnson, Your Partner for Complete Processing Solutions, Birdwasher IO505-16, published 2/22/2002, 2 pages.		
	L-8	Baader Johnson, Your Partner for Complete Processing Solutions, Birdwasher IO505-20, published 12/28/2000, 2 pages.		
	L-9	Cantrell, Inside/Outside Bird Washer, from Cantrell website <a href="http://www.cantrell.com/evislist1.htm">http://www.cantrell.com/evislist1.htm</a> , website visited 2/20/2003, unknown publication date, 1 pages.		
	L-10	TEKTRAN, United States Department of Agriculture, Agricultural Research Service, Updated 12-18-1998, "An Evaluation of On-Line "Reprocessing" on Visual Contamination and Microbiological Quality of Broilers", from website <a href="http://www.nal.usda.gov/ttc/tektran/data/000008/35/0000083511.html">http://www.nal.usda.gov/ttc/tektran/data/000008/35/0000083511.html</a> , website visited 1/31/2003, 1 page		
	L-11	Food Engineering: Multiple Hurdles Minimize Pathogens, Poultry Interventions, website <a href="http://www.foodengineeringmag.com/articles/1999/1299/1299f2.htm">http://www.foodengineeringmag.com/articles/1999/1299/1299f2.htm</a> , website visited 1/31/2003, 1 page, publication date unknown.		
	L-12	The University of Georgia Cooperative Extension Service, Poultry Tips, from website <a href="http://www.uga.edu/~poultry/tips/tips98jan4.htm">http://www.uga.edu/~poultry/tips/tips98jan4.htm</a> , website visited 1/31/2003, 3 pages.		
	L-13	Abstract of a presentation to the Annual Meeting of the International Association for Food Protection (formerly IAMFES), Atlanta, GA, August 9, 2000, Continuous On-line Processing of Fecal Contaminated Poultry Carcasses, from website <a href="http://www.sanova.com/abstract.html">http://www.sanova.com/abstract.html</a> , website visited 1/31/2003, 22 pages		
	L-14	Safe Foods Corporation, What is Cecure and how good is it?, from website <a href="http://www.safefoods.net/cecure.htm">http://www.safefoods.net/cecure.htm</a> , website visited 1/31/2003, 2 pages		
✓	L-15	Cantrell Machine Co., Inc., Brochure, Inside/Outside Bird Washer, Model No. FIO-515, 2 pages		
sk	L-16	Food Engineering: Research & Development (1099), from website <a href="http://www.foodengineeringmag.com/articles/1999/1099/1099research.htm">http://www.foodengineeringmag.com/articles/1999/1099/1099research.htm</a> , website visited 1/31/2003, 3 pages		

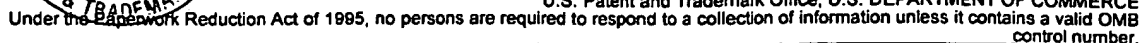
Examiner Signature	Arthur L. Corbin	Date Considered	3-3-06
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**First Supplemental**  
(use as many sheets as necessary)

Sheet	1	of	1
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**Complete if Known**

Application Number	10/603,132
Filing Date	June 24, 2003
First Named Inventor	James L. McNaughton
Art Unit	— 1265
Examiner Name	— C. Rubin
Attorney Docket Number	SU-7273

## U.S. PATENT DOCUMENTS

Class	Subclass
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[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

ARTHUR L. CORBIN

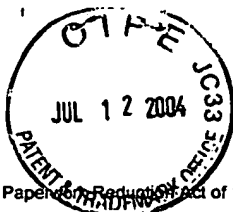
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Substitute for form 1449/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/603,132		
		Filing Date	June 24, 2003		
		First Named Inventor	James L. McNaughton		
		Group Art Unit	-- 1761		
		Examiner Name	-- Corbin		
Sheet	1	of	2	Attorney Docket Number	SU-7273

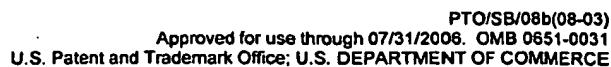
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>mc</i>	L-17	Blaser, Martin J., et al., "Inactivation of <i>Campylobacter jejuni</i> by Chlorine and Monochloramine", Applied and Environmental Microbiology, vol 51, no. 2, 1986, ppg 307-311.	
	L-18	Carr, Anita C., "Differential reactivities of hypochlorous and hypobromous acids with purified <i>Escherichia coli</i> phospholipid: formation of haloamines and halohydrins", Biochimica et Biophysica, 1392, 1998, ppg 254-264.	
	L-19	Dickens, J.A., et al., "Efficacy of an Herbal Extract on the Microbiological Quality of Broiler During a Simulated Chill", Poultry Science, 2000, vol 79, ppg 1200-1203.	
	L-20	Fabrizio, K.A., et al., "Comparison of Electrolyzed Oxidizing Water with Various Antimicrobial Interventions to Reduce Salmonella Species on Poultry", Poultry Science, 2002, vol 81, ppg 1598-1605.	
	L-21	Hawkins, Clare L., et al., "Hypochlorite- and Hypobromite-Mediated Radical Formation and Its Role in Cell Lysis", Archives of Biochemistry and Biophysics, vol 395, no. 2, November 15, 2001, ppg 137-145.	
	L-22	Kumar, Krishan, et al., "Kinetics and Mechanism of General-Acid-Assisted Oxidation of Bromide by Hypochlorite and Hypochlorous Acid", Inorg. Chem., 1987, vol 26, ppg 2706-2711.	
	L-23	Lillard, H.S., "Effect of Trisodium Phosphate on Salmonellae Attached to Chicken Skin", Journal of Food Protection, vol 57, no. 6, June 1994, ppg 465-469.	
	L-24	Mead, G.C., et al., "The Effectiveness of In-plant Chlorination in Poultry Processing", Br. Poult. Sci., vol 16, 1975, ppg 517-526.	
	L-25	Northcutt, J.K., et al., "Effect of Broiler Age, Feed Withdrawal, and Transportation on Levels of Coliforms, <i>Campylobacter</i> , <i>Escherichia coli</i> and <i>Salmonella</i> on Carcasses Before and After", Poultry Science, 2003, vol 82, ppg 169-173.	
	L-26	Patterson, J.T., "Chlorination of Water Used For Poultry Processing", British Poultry Science, vol 9, part 2, 1968, ppg 129-133.	
	L-27	"9215 C. Spread Plate Method", Microbiological Examination (9000), ppg 9-38 - 9-40.	
	L-28	Tamblin, K.C., et al., "Utilization of the Skin Attachment Model to Determine the Antibacterial Efficacy of Potential Carcass Treatments", Poultry Science, 1997, vol 76, ppg 1318-1323.	
	L-29	Tsai, Lee-Shin, et al., "Chlorination of Poultry Chiller Water: Chlorine Demand and Disinfection Efficiency", Poultry Science, 1992, vol 71, ppg 188-196	
✓	L-30	"Pathogen Reduction; Hazard Analysis and Critical Control Point (HACCP) Systems; Final Rule", Federal Register, July 25, 1996, vol 61, no 144, pg 38806-38814 and 38854-38855.	
<i>mc</i>	L-31	Vissers, Margret C.M., et al., "Comparison of human red cell lysis by hypochlorous and hypobromous acids: Insights into the mechanism of lysis", Biochem. J., vol 330, 1998, ppg 131-138.	

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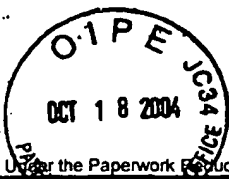


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			Application Number	10/603,132	
			Filing Date	June 24, 2003	
			First Named Inventor	James L. McNaughton	
			Group Art Unit	---	
			Examiner Name	---	
Sheet	2	of	2	Attorney Docket Number	SU-7273

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Examiner Signature	Arthur L. Corbin	Date Considered	3-3-06
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			Application Number	10/603,132
Sheet 1 of 15			Filing Date	June 24, 2003
			First Named Inventor	James L. McNaughton
			Art Unit	— 1161
			Examiner Name	— Corbin
			Attorney Docket Number	SU-7273

U.S. PATENT DOCUMENTS						Class Sub class
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code <sup>2</sup> (if known)				
[Signature]	US-17	US-2130805	09-20-1938	Levine	—	
	US-18	US-2392505	01-08-1946	Rogers	—	
	US-19	US-2398598	04-16-1946	Rogers	—	
	US-20	US-2779764	01-29-1956	Paterson	—	
	US-21	US-2795556	06-11-1957	Quinn	—	
	US-22	US-2868787	01-13-1959	Paterson	—	
	US-23	US-2920997	01-12-1960	Wolf et al.	—	
	US-24	US-2971959	02-14-1961	Waugh et al.	—	
	US-25	US-2971960	02-14-1961	Waugh et al.	—	
	US-26	US-3121715	02-18-1964	Waugh et al.	—	
	US-27	US-3147219	09-01-1964	Paterson	—	
	US-28	US-3147259	09-01-1964	Paterson	—	
	US-29	US-3152073	10-06-1964	Morton	—	
	US-30	US-3170883	02-23-1965	Owen et al.	—	
	US-31	US-3308062	03-07-1967	Gunther	—	
	US-32	US-3328294	06-27-1967	R.W. Self et al.	—	
	US-33	US-3345371	10-03-1967	Paterson	—	
	US-34	US-3412021	11-19-1968	Paterson	—	
	US-35	US-3558503	01-26-1971	Goodenough et al.	—	
	US-36	US-3589859	06-29-1971	Foroulis	—	

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
[Signature]	FP-5	CA- 1230825	12-29-1987	Bristol-Myers Co.	—	
	FP-6	CA- 2042430	11-30-1991	Eltech Systems Corp.	—	
	FP-7	CA- 2183598	09-04-1996	S.C. Johnson & Son, Inc.	—	
	FP-8	EP- 0108583	04-25-1984	Rohm and Haas	—	
	FP-9	EP- 0177645 A1	04-16-1986	Girard et al.	—	
	FP-10	EP- 0208725	12-30-1988	Jeyes Group Limited	—	
	FP-11	EP- 0228593	07-15-1987	Chesebrough-Pond's Inc.	—	
	FP-12	EP- 0550137 A2	07-07-1993	Greenley et al.	—	
	FP-13	EP- 0581826	02-09-1994	Jeyes Limited	—	
	FP-14	EP- 0584955 A2	03-02-1994	Leech et al.	—	

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			Filing Date	June 24, 2003	
			First Named Inventor	James L. McNaughton	
			Art Unit	—	
			Examiner Name	—	
Sheet	2	of	15	Attorney Docket Number	SU-7273

U.S. PATENT DOCUMENTS					
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		Number-Kind Code <sup>2</sup> (if known)			
bn	US-37	US-3828972	12-14-1971	Lorenzen	—
	US-38	US-3711246	01-16-1973	Foroulis	—
	US-39	US-3749672	07-31-1973	Golton et al.	—
	US-40	US-3787588	10-23-1973	Rutkiewicz	—
	US-41	US-4032460	08-28-1977	Zilch et al.	—
	US-42	US-4078099	03-07-1978	Mazzola	—
	US-43	US-4119535	10-10-1978	White et al.	—
	US-44	US-4126717	11-21-1978	Mazzola	—
	US-45	US-4136052	01-23-1979	Mazzola	—
	US-46	US-4199001	04-22-1980	Kratz	—
	US-47	US-4237090	12-02-1980	DeMonbrun et al.	—
	US-48	US-4242216	12-30-1980	Daugherty et al.	—
	US-49	US-4270565	06-02-1981	King, Sr.	—
	US-50	US-4293425	10-06-1981	Price	—
	US-51	US-4295932	10-20-1981	Pocius	—
	US-52	US-4327151	04-27-1982	Mazzola	—
	US-53	US-4331174	05-25-1982	King, Sr.	—
	US-54	US-4382799	05-10-1983	Davis et al.	—
	US-55	US-4388811	06-21-1983	Zebarth	—
me	US-56	US-4427435	01-24-1984	Lorenz et al.	—

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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bn	FP-15	EP- 0827695 A2	03-11-1998	The Boc Group, Inc.	—
	FP-16	GB- 1054243	01-04-1967	Wallace Cameron & Co.	—
	FP-17	GB- 1600289	10-14-1981	Wilson et al.	—
	FP-18	GB- 2267487 A	12-08-1993	Mason	—
	FP-19	GB- 2273106	06-08-1994	Jeyes Group PLC	—
	FP-20	JP- 56158333	12-07-1981	Teijin Ltd.	—
	FP-21	JP- 7299468	11-14-1995	Hakuto Co., Ltd	—
	FP-22	WO- 8802987	05-05-1988	Great Lakes Chemical Corp.	—
	FP-23	WO- 8910696 A1	11-16-1989	Puzig	—
me	FP-24	WO- 9015780 A1	12-27-1990	Rakestraw et al.	—

Examiner Signature	ARTUR L. CORBIN	Date Considered	3-3-06
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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Third Supplemental (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/603,132
		Filing Date	June 24, 2003
		First Named Inventor	James L. McNaughton
		Art Unit	--
		Examiner Name	--
Sheet	3	of	15
		Attorney Docket Number	SU-7273

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
me	US-57	US-4427692	01-24-1984	Girard	_____
	US-58	US-4451376	05-29-1984	Sharp	_____
	US-59	US-4465598	08-14-1984	Darlington et al.	_____
	US-60	US-4465839	08-14-1984	Schulte et al.	_____
	US-61	US-4476930	10-16-1984	Wantanabe	_____
	US-62	US-4490308	12-25-1984	Fong et al.	_____
	US-63	US-4532330	07-30-1985	Cole	_____
	US-64	US-4534963	08-13-1985	Gordon	_____
	US-65	US-4537697	08-27-1985	Girard	_____
	US-66	US-4539071	09-03-1985	Clifford et al.	_____
	US-67	US-4546156	10-08-1985	Fong et al.	_____
	US-68	US-4560766	12-24-1985	Girard et al.	_____
	US-69	US-4566973	01-28-1986	Masler, III et al.	_____
	US-70	US-4571333	02-18-1986	Hsiao et al.	_____
	US-71	US-4595517	06-17-1986	Abadi	_____
	US-72	US-4595691	06-17-1986	LaMarre et al.	_____
	US-73	US-4597941	07-01-1986	Bottom et al.	_____
	US-74	US-4604431	08-05-1986	Fong et al.	_____
me	US-75	US-4621096	11-04-1986	Cole	_____
	US-76	US-4642194	02-10-1987	Johnson	_____

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
me	FP-25	WO- 9630491 A1	10-03-1996	Jeyes Group PLC	_____
	FP-26	WO- 9628173 A1	09-19-1996	Mullerat et al.	_____
	FP-27	WO- 9715652 A1	05-01-1997	Clorox Co.	_____
	FP-28	WO- 9720548 A1	06-12-1997	Petri et al.	_____
	FP-29	WO- 9720909 A1	6-12-1997	Petri et al.	_____
	FP-30	WO- 9734827 A1	09-25-1997	Dallmier et al.	_____
	FP-31	WO- 9743264	11-20-1997	Great Lakes Chemical	_____
	FP-32	WO- 9743392	11-20-1997	Henry et al.	_____
me	FP-33	WO- 9804143	02-05-1998	Strickland et al.	_____
	FP-34	WO- 9815609	04-16-1998	Sirianni	_____

Examiner Signature	ARTHUR L. CARRIN	Date Considered	3-3-06
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			First Named Inventor	James L. McNaughton	
			Art Unit	—	
			Examiner Name	—	
Sheet	4	of	15	Attorney Docket Number	SU-7273

Class/Subclass

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me	US-77	US-4643835	02-17-1987	Koeplin-Gall et al.	_____
	US-78	US-4654424	03-31-1987	Girard et al.	_____
	US-79	US-4659359	04-21-1987	Lorenz et al.	_____
	US-80	US-4661503	04-28-1987	Martin et al.	_____
	US-81	US-4662387	05-05-1987	King, sr.	_____
	US-82	US-4677130	06-30-1987	pUZIG	_____
	US-83	US-4680339	07-14-1987	Fong	_____
	US-84	US-4680399	07-14-1987	Buchardt	_____
	US-85	US-4681848	07-21-1987	Worley	_____
	US-86	US-4692335	09-08-1987	Iwanski	_____
	US-87	US-4698165	10-06-1987	Theyson	_____
	US-88	US-4703092	10-27-1987	Fong	_____
	US-89	US-4711724	12-08-1987	Johnson	_____
	US-90	US-4713079	12-15-1987	Chun et al.	_____
	US-91	US-4728453	03-01-1988	Choy	_____
	US-92	US-4745189	05-17-1988	Lee et al.	_____
	US-93	US-4752443	06-21-1988	Hoots et al.	_____
	US-94	US-4759852	07-26-1988	Trulear	_____
	US-95	US-4762894	08-09-1988	Fong et al.	_____
	me	US-96	US-4787542	08-30-1988	Worley

FOREIGN PATENT DOCUMENTS							Class	Subclass
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)						
me ↓ me	FP-35	WO- 9906320 A1	02-11-1999	Dallmier et al.	—			
	FP-36	WO- 9932596 A1	07-01-1999	Rees et al.	—			
	FP-37	WO- 9955627 A1	11-04-1999	Yang et al.	—			
	FP-38	WO- 0034186 A1	06-15-2000	Rakestraw	—			
	FP-39	WO- 0152827 A1	07-26-2001	McKenzie et al.	—			
	FP-40	WO- 0153209 A2	07-26-2001	Albemarle Corp.	—			
	FP-41	WO- 03001931 A1	01-09-2003	Albemarle Corp.	—			

Examiner Signature	Arthur L. Corbin	Date Considered	3-3-06
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				Application Number	10/603,132
				Filing Date	June 24, 2003
				First Named Inventor	James L. McNaughton
				Art Unit	---
				Examiner Name	---
Sheet	5	of	15	Attorney Docket Number	SU-7273

U.S. PATENT DOCUMENTS					
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		Number-Kind Code <sup>2</sup> (if known)			
JRE	US-97	US-4770884	09-13-1988	Hill et al.	1
	US-98	US-4777219	10-11-1988	Fong	1
	US-99	US-4780197	10-25-1988	Schuman	1
	US-100	US-4801388	01-31-1989	Fong et al.	1
	US-101	US-4802990	02-07-1989	Inskeep, Jr.	1
	US-102	US-4803079	02-07-1989	Hsiao et al.	1
	US-103	US-4822512	04-18-1989	Auchincloss	1
	US-104	US-4822513	04-18-1989	Corby	1
	US-105	US-4846979	07-11-1989	Hamilton	1
	US-106	US-4860554	08-29-1989	Innes et al.	1
	US-107	US-4867895	09-19-1989	Choy	1
	US-108	US-4883600	11-28-1989	MacDonald et al.	1
	US-109	US-4886915	12-12-1989	Favstritsky	1
	US-110	US-4898686	02-06-1990	Johnson et al.	1
	US-111	US-4906651	03-06-1990	Hsu	1
	US-112	US-4919841	04-24-1990	Kamel et al.	1
	US-113	US-4923634	05-08-1990	Hoots et al.	1
	JRE	US-114	US-4925866	05-15-1990	Smith
US-115		US-4929424	05-29-1990	Meier et al.	1
US-116		US-4929425	05-29-1990	Hoots et al.	1

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Examiner Signature	Arthur L. Corbin	Date Considered	3-3-06
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[Signature]	US-117	US-4984892	10-23-1990	Hsu	///
	US-118	US-4986718	10-30-1990	Favritsky et al.	///
	US-119	US-4992209	02-12-1991	Smyk et al.	///
	US-120	US-4995987	02-26-1991	Whitekettle et al.	///
	US-121	US-5034155	07-23-1991	Soeder et al.	///
	US-122	US-5035806	07-30-1991	Fong et al.	///
	US-123	US-5047164	09-10-1991	Corby	///
	US-124	US-5055285	10-08-1991	Duncan et al.	///
	US-125	US-5057612	10-15-1991	Worley et al.	///
	US-126	US-5076315	12-31-1991	King	///
	US-127	US-5118426	08-02-1992	Duncan et al.	///
	US-128	US-5120452	06-09-1992	Ness et al.	///
	US-129	US-5120797	06-09-1992	Fong et al.	///
	US-130	US-5137563	08-11-1992	Valkanias	///
	US-131	US-5141652	08-25-1992	Moore, Jr. et al.	///
	US-132	US-5173190	12-22-1992	Picek	///
	US-133	US-5179173	01-12-1993	Fong et al.	///
	US-134	US-5192459	03-09-1993	Tell et al.	///
[Signature]	US-135	US-5194238	03-16-1993	Duncan et al.	///
	US-136	US-5196126	03-23-1993	O'Dowd	///

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		Country Code <sup>3</sup> -Number <sup>2</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	Arthur L. Corbin	Date Considered	3-3-06
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me	US-137	US-5202047	04-13-1993	Corby	11
	US-138	US-5208057	05-04-1993	Greenley et al.	11
	US-139	US-5218983	08-15-1993	King	11
	US-140	US-5259985	11-09-1993	Nakanishi et al.	11
	US-141	US-5264136	11-23-1993	Howarth et al.	11
	US-142	US-5264229	11-23-1993	Mannig et al.	11
	US-143	US-5286479	02-15-1994	Garlich et al.	11
	US-144	US-5320829	06-14-1994	Garlich et al.	11
	US-145	US-5338461	08-16-1994	Jones	11
	US-146	US-5339889	08-23-1994	Bigham	11
	US-147	US-5384102	01-24-1995	Ferguson et al.	11
	US-148	US-5389384	02-14-1995	Jooste	11
	US-149	US-5389390	02-14-1995	Kross	11
	US-150	US-5403813	04-04-1995	Lichti et al.	11
✓ me	US-151	US-5407598	04-18-1995	Olson et al.	11
	US-152	US-5409711	04-25-1995	Mapelli et al.	11
	US-153	US-5414652	05-09-1995	Mieda et al.	11
	US-154	US-5422126	06-06-1995	Howarth et al.	11
	US-155	US-5424032	08-13-1995	Christensen et al.	11
	US-156	US-5443849	08-22-1995	Corby	11

[illegible]

Examiner Signature	ARTHUR L. CORBIN	Date Considered	3-3-66
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Sheet	8	of	15		

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AC	US-157	US-5480833	10-24-1995	Andrews et al.	111
	US-158	US-5484636	11-07-1995	Hight et al.	111
	US-159	US-5476116	12-19-1995	Price et al.	111
	US-160	US-5484615	01-16-1996	Kounev	111
	US-161	US-5490983	02-13-1996	Worley et al.	111
	US-162	US-5490992	02-13-1996	Andrews et al.	111
	US-163	US-5525241	06-11-1996	Clavin et al.	111
	US-164	US-5527547	06-18-1996	Hight et al.	111
	US-165	US-5565109	10-15-1996	Sweeny	111
	US-166	US-5565576	10-15-1996	Hall et al.	111
	US-167	US-5578559	11-28-1996	Dolan et al.	111
	US-168	US-5589106	12-31-1996	Shim et al.	111
	US-169	US-5591692	01-07-1997	Jones et al.	111
	US-170	US-5603941	02-18-1997	Farina et al.	111
	US-171	US-5607619	03-04-1997	Dadgar et al.	111
	US-172	US-5610126	03-11-1997	Barford et al.	111
	US-173	US-5614528	03-25-1997	Jones et al.	111
US-174	US-5622708	04-22-1997	Richter et al.	111	
AC	US-175	US-5641530	06-24-1997	Chen	111
	US-176	US-5670451	09-23-1997	Jones et al.	111

[illegible]

Examiner Signature	ARTHUR L. COMBIN	Date Considered	3-3-06
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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
M	US-177	US-5670646	09-23-1997	Worley et al.	11
	US-178	US-5679239	10-21-1997	Blum et al.	11
	US-179	US-5683654	11-04-1997	Dallmier et al.	11
	US-180	US-5750061	05-12-1998	Farina et al.	11
	US-181	US-5753602	05-19-1998	Hung et al.	11
	US-182	US-5756440	05-26-1998	Watanabe et al.	11
	US-183	US-5763376	06-09-1998	Ward et al.	11
	US-184	US-5780641	07-14-1998	Yerushalmi et al.	11
	US-185	US-5795487	08-18-1998	Dallmier et al.	11
	US-186	US-5808089	09-15-1998	Worley et al.	11
	US-187	US-5821546	10-13-1998	Xiao et al.	11
	US-188	US-5830511	11-03-1998	Mullerat et al.	11
	US-189	US-5859060	01-12-1999	Platt	11
	US-190	US-5889130	03-30-1999	Worley et al.	11
	US-191	US-5891499	04-06-1999	Balsano	11
	US-192	US-5900512	05-04-1999	Einagar et al.	11
	US-193	US-5902818	05-11-1999	Worley et al.	11
	US-194	US-5911870	06-15-1999	Hough	11
	US-195	US-5922745	07-13-1999	McCarthy et al.	11
US-196	US-5932265	08-03-1999	Moran	11	

[illegible]

Examiner Signature	Arthur L. Green	Date Considered	3-3-66
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		Number-Kind Code <sup>2</sup> (if known)			
JH	US-197	US-5942126	08-24-1999	Dallmier et al.	_____
	US-198	US-5942153	08-24-1999	Heydel	_____
	US-199	US-5958853	09-28-1999	Watanabe	_____
	US-200	US-5972884	10-26-1999	Counts	_____
	US-201	US-5981461	11-09-1999	Counts et al.	_____
	US-202	US-5984994	11-16-1999	Hudson	_____
	US-203	US-6004587	12-21-1999	Mullerat et al.	_____
	US-204	US-6007726	12-28-1999	Yang et al.	_____
	US-205	US-6007735	12-28-1999	Creed	_____
	US-206	US-6015782	01-18-2000	Petri et al.	_____
	US-207	US-6037318	03-14-2000	Na et al.	_____
	US-208	US-6039992	03-21-2000	Compadre et al.	_____
	US-209	US-6068861	05-30-2000	Moore, Jr. et al.	_____
	US-210	US-6083500	07-04-2000	Wooley et al.	_____
JH	US-211	US-6099855	08-08-2000	Mullerat et al.	_____
	US-212	US-6110353	08-29-2000	Hough	_____
	US-213	US-6110387	08-29-2000	Choudhury et al.	_____
	US-214	US-6123870	09-26-2000	Yang et al.	_____
	US-215	US-6172040 B1	01-09-2001	Naidu	_____
	US-216	US-6220722 B1	08-07-2001	Yang et al.	_____

[illegible]

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <b>Third Supplemental</b> <i>(Use as many sheets as necessary)</i>			Application Number	10/603,132	
			Filing Date	June 24, 2003	
			First Named Inventor	James L. McNaughton	
			Art Unit	—	
			Examiner Name	—	
Sheet	11	of	15	Attorney Docket Number	SU-7273

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
sk	US-217	US-6284144 B1	09-04-2001	Itzhak	—
	US-218	US-6287473 B1	09-11-2001	Yang et al.	—
	US-219	US-6299909 B1	10-09-2001	Moore, Jr. et al.	—
	US-220	US-6306441 B1	10-23-2001	Moore, Jr. et al.	—
	US-221	US-6322822 B1	11-27-2001	Moore, Jr. et al.	—
	US-222	US-6342528 B1	01-29-2002	McKenzie et al.	—
	US-223	US-6348227 B1	02-19-2002	Caracciolo, Jr.	—
	US-224	US-6397622 B1	06-04-2002	Miller et al.	—
	US-225	US-6565868 B1	05-20-2003	Howarth et al.	—
	US-226	US-6605253 B1	08-12-2003	Perkins	—
	US-227	US-6605308 B2	08-12-2003	Shane et al.	—
	US-228	US-6638959 B2	10-28-2003	Howarth et al.	—
	US-229	US-6680070 B1	01-20-2004	Howarth et al.	—

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	Arthur L. Corbin	Date Considered	3-3-06
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Third Supplemental (Use as many sheets as necessary)		Application Number	10/603,132
		Filing Date	June 24, 2003
		First Named Inventor	James L. McNaughton
		Art Unit	---
		Examiner Name	---
Sheet	12	of	15
		Attorney Docket Number	SU-7273

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
pc	L-35	CABA Copyright 2002 CABI Abstract of Bukh, K., "Use of Chlorine in Experiments on Controlling Swine Dysentery", Dansk Veterinaertidsskrift, (1988), vol 71, no. 24, pp. 1278-1286.	
	L-36	CAPLUS Abstract of Heir, et al., "The Staphylococcus qacH gene product: a new member of the SMR family encoding multidrug resistance", FEMS Microbiol. Lett. (1998), 163(1), ppg 49-56. Accession No. 1998:343309 CAPLUS	
	L-37	CAPLUS Abstract of Sanderson et al., "Case Reports: epidemic eye and upper respiratory irritation in poultry processing plants", Appl. Occup Environ. Hyg. 1995, 10(1), 43-9. Accession No. 1995:439186 CAPLUS	
	L-38	Frosti Abstract of Bocharov D.A., "Disinfection of Poultry Processing Plant Objects", Proceedings of the 22 <sup>nd</sup> European meeting of Meat Research Workers, Malmo, August- September, 1 (C6), 4 pp., 1976. Accession No. 78674 Frosti	
	L-39	Frosti Abstract of Lemaitre et al., "Plasmid-mediated resistance to antimicrobial agents among listeriae", Journal of Food Protection, 1998, November, 61 (11), ppg 1459-1464. Accession No. 483547 Frosti	
	L-40	Frosti Abstract of Marriot, N.G., "Meat and poultry sanitation", Essentials of Food Sanitation, published by Chapman & Hall, London, 1997, 188-210. Accession No. 441637 Frosti	
	L-41	Frosti Abstract of Mullerat et al., "Efficacy of Salmide, a sodium chlorite-based oxy-halogen disinfectant, to inactivate bacterial pathogens and extend shelf-life of broiler carcasses", Journal of Food Protection, 1994, 57(7), 596-603. Accession No. 353342 Frosti	
	L-42	Frosti Abstract of Sheldon, B.W., "New and novel chemical and biological approaches for inhibiting pathogens and spoilage microorganisms associated with muscle food systems", Turkeys, 1996, 44(2),	
	L-43	Frosti Abstract of Smith, G., "Poultry industry looks to chlorine dioxide for pathogen control", Meat Processing, 1996, 35(10), 47. Accession No. 429057 Frosti	
	L-44	Frosti Abstract of Sundheim, G., et al., "Resistance of meat associated staphylococci to a quaternary ammonium compound", Food Microbiology, 1992, 9(2), 161-7. Accession No. 291734 Frosti	
	L-45	Frosti Abstract of "Foodborne Pathogen Control", Poultry International, 1994, (July), 62, author unknown. Accession No. 359896 Frosti	
	L-46	HCAPLUS Abstract of JP 07171576 A2 issued 1995.	
✓	L-47	HCAPLUS Abstract of JP 07277912 A2 issued 1995.	
pc	L-48	HCAPLUS Abstract of JP 08027119 A2 issued 1996.	

Examiner Signature	Arthur L. Corbin	Date Considered	3-3-06
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Third Supplemental (Use as many sheets as necessary)		Application Number	10/603,132
		Filing Date	June 24, 2003
		First Named Inventor	James L. McNaughton
		Art Unit	---
		Examiner Name	---
Sheet	13	of	15
		Attorney Docket Number	SU-7273

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>AK</i>	L-49	HCAPLUS Abstract of JP 08239699 A2 issued 1996.	
	L-50	HCAPLUS Abstract of JP 09087684 A2 issued 1997.	
	L-51	HCAPLUS Abstract of JP 09227317 A2 issued 1997.	
	L-52	Al Zahrani, S.M., "Utilization of Polyethylene and Paraffin Waxes as Controlled Delivery Systems for Different Fertilizers", Ind. Eng. Chem. Res., 2000, vol 39, pp 369-371.	
	L-53	Ault et al., "Infrared and Raman Spectra of the M+Cl <sub>2</sub> ion Pairs and Their Chlorine-bromine Counterparts isolated in Argon Matrices", Journal of Chemical Physics, 1976, Vol. 64, No. 12,	
	L-54	Author unknown, "Big Brother Brominator - Brominators", Bulky Systems Website, < <a href="http://www.bulkysystemsinc.com/brominator.html">http://www.bulkysystemsinc.com/brominator.html</a> > , (Visited August 10, 2001). 1 page.	
	L-55	Author unknown, "Bio Lab Brominator", Conely Company Website, < <a href="http://www.conelyco.com/Pool-Spa/parts/biobrom.htm">http://www.conelyco.com/Pool-Spa/parts/biobrom.htm</a> > (Visited August 10, 2001), 2 pages.	
	L-56	Carpentier et al., "Biofilms and their consequences, with particular reference to hygiene in the food industry", Journal of Applied Bacteriology, 1993, Vol. 75, ppg 499-511.	
	L-57	Chowhan et al., "Hardness Increase Induced by Partial Moisture Loss in Compressed Tablets and Its Effect on In Vitro Dissolution", J. Pharm. Sciences, October 1978, Vol. 67, No. 10, ppg. 1385-1389.	
	L-58	Corral et al., "Substitution in the Hydantoin Ring. III. Halogenation", J. Org. Chem., 1963, Vol. 28, ppg. 1100-1104.	
	L-59	Discount Pool & Spa Supplies, Automatic Chlorinators and Chemical Feeders Website, < <a href="http://www.discountpoolsupplies.com/Chemfeeders/">http://www.discountpoolsupplies.com/Chemfeeders/</a> > Visited August 10, 2001, 3 pages.	
	L-60	Gottardi: Reaction of Cl Br - In Aqueous solution (76 Zeutralks. Bakteriell., Parasiteukd, ) In Fektionskr. Hyg., Abt. 1; Orig., Geihe B 162 (3-4), ppg 384-388.	
<i>AK</i>	L-61	Hayward America's #1 Pool Water Systems Product Catalog, "Automatic Chemical Feeders" "Chlorinators (Slow Dissolve Tri-Chlor Only) and Brominators, Hayward Pool Products Inc. Website, < <a href="http://www.haywardnet.com/products/catalog/displayProdInfo.cfm?itemID=61">http://www.haywardnet.com/products/catalog/displayProdInfo.cfm?itemID=61</a> > , 2 pages.	

Examiner Signature	<i>APRIL CORBIN</i>	Date Considered	3-3-06
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Third Supplemental (Use as many sheets as necessary)		Application Number	10/603,132
		Filing Date	June 24, 2003
		First Named Inventor	James L. McNaughton
		Art Unit	---
		Examiner Name	---
Sheet	14	of	15
		Attorney Docket Number	SU-7273

NON PATENT LITERATURE DOCUMENTS			
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<i>jm</i>	L-62	Hayward America's #1 Pool Water Systems Product Catalog, "Automatic Chemical Feeders" "Chlorinators (Slow Dissolve Tri-Chlor Only) and Brominators, Buyers Guide, Hayward Pool Products Inc., Website,	
	L-63	Hayward Pool Products Owner's Guide, Installation and Operating Instructions, "Hayward Chemical Feeder", Models C250CF, C500CF, C1100CF, C1800CF, C2400CF, - 1998 - 4 pages	
	L-64	Howarth, J.N., et al. "A New, Bromine-Releasing Solid for Microbiological Control of Cooling Water", IWC-01-05, (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 2001), ppg 1-7.	
	L-65	Jolles, "General Methods of Bromination", Bromine and its Compounds, 1966, Ernest Benn, London, ppg. 365.	
	L-66	Krycer et al., "An Evaluation of Tablet Binding Agents Part II. Pressure Binders", Powder Technology, 1983, Vol. 34, ppg. 53-56.	
	L-67	Mantilla-Sandholm et al., "Biofilm Formation in the Industry: A Review", Food Reviews International, 8(4), 1992, ppg 573-603.	
	L-68	March, "Advanced Organic Chem.", 1992, 4 <sup>th</sup> Edition, ppg. 639-640.	
	L-69	Markish et al., "New Aspects on the Preparation of 1,3-Dibromo-5,5-Dimethylhydantoin", Ind. Eng. Chem. Res. 1995, Vol. 34, ppg. 2125-2127.	
	L-70	Mora et al., "Properties of a New Chloramine Disinfectant and Detoxicant", Poultry Science, 1982, vol 61, ppg 1968-1971.	
	L-71	C.J. Nalepa, "New Bromine-Releasing Granules for Microbiological Control of Cooling Water," paper 03716 (Corrosion 2003 Houston, TX: NACE International, 2003), ppg 03716/1-03716/15.	
	L-72	Orazi et al., "Halogenacion con 3-Bromo-5,5-Dimetil-Hidantoina", Anales Assoc. Quim. Argentina, 1949, Vol. 37, ppg. 192-196. (Not translated)	
	L-73	Orazi et al., "Halogenacion Con 1-3-Dibromo-5,5-Dimetil-Hidantoina", Anales Assoc. Quim. Argentina, 1950, Vol. 38, ppg. 5-11. (Not translated)	
<i>jm</i>	L-74	Pentair Pool Products Brochure, "Rainbow High Capacity Chlorine/Bromine Feeders", "Unsurpassed Performance From The Industry's Leader in Automatic Sanitizing of Large Residential and Commercial Pools",	
<i>jm</i>	L-75	Pentair Pool Products Brochure, "Rainbow Model 300 Automatic Chlorine/Bromine Off-line Feeders", "The Efficient, Easy Way to Sanitize Your Pool or Spa", date unknown, 1 page.	

Examiner Signature	<i>Arthur L. Corbin</i>	Date Considered	3/3/06
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Third Supplemental (Use as many sheets as necessary)		Application Number	10/603,132
		Filing Date	June 24, 2003
		First Named Inventor	James L. McNaughton
		Art Unit	---
		Examiner Name	---
Sheet	15	of	15
		Attorney Docket Number	SU-7273

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>pc</i>	L-74	Pentair Pool Products Brochure, "Rainbow Model 320 Automatic Chlorine/Bromine In-line Feeder", "Saves Time, Reduces Manual Handling of Chemicals", date unknown, 7 pages.	
	L-76	Petterson, "N-Halogen Compounds. I. Decomposition of 1,3-Dichloro-5,5-dimethylhydantoin in Water at pH 9", J. Org. Chem., 1959, Vol. 24, ppg. 1414-1419.	
	L-77	Sani-King Spa Feeder Product Brochure Model 740 from King Technology Website, < <a href="http://www.kingtechnology.com/spafeeder.htm">http://www.kingtechnology.com/spafeeder.htm</a> > Visited (August 10, 2001), 2000, 4 pages.	
	L-78	Sani-King Perform-Max Pool Sanitizer Instruction Guide, Models 910, 940, & 980 (Inline) and Models 930 & 960 (Off-line), date unknown, 16 pages.	
	L-79	Sani-King Adjust-A-Flo Product Brochure from King Technology Website < <a href="http://www.kingtechnology.com/spafeeder.htm">http://www.kingtechnology.com/spafeeder.htm</a> > (Visited August 10, 2001), 2000, 1 page.	
	L-80	Sani-King Perform-Max Sanitizers for Inground Pools Product Brochure for Model 940 & 960 from King Technology Website, < <a href="http://www.kingtechnology.com/perfermaxIG.htm">http://www.kingtechnology.com/perfermaxIG.htm</a> >, visited August 10, 2001, 2000, 1 pg.	
	L-81	Sani-King Perform-Max Sanitizers for Above Ground Pools Product Brochure Model 910 & 930 from King Technology Website, < <a href="http://www.kingtechnology.com/perfermaxIG.htm">http://www.kingtechnology.com/perfermaxIG.htm</a> >, visited August 10, 2001, 2000, 1 pg.	
	L-82	Smith et al., "Potential Uses of Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol. 69, ppg 1590-1594.	
	L-83	Sorum -- Fundamentals of General Chemistry, p. 315, 1955.	
	L-84	Willard et al., "Elementary Quantitative Analysis", Third Edition, Chapter XIV, 1933, ppg. 261-271.	
<i>✓</i>	L-85	Williams, et al., "Research Note: Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol 69, ppg 2248-2251.	
<i>pc</i>	L-86	Worley, et al., "The Stabilities of New N-halamine Water Disinfectants", Wat. Res. Vol. 21(8), ppg 983-988, 1987.	

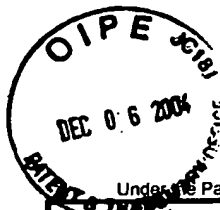
Examiner Signature	<i>Arthur L. Cooper</i>	Date Considered	<i>3-3-06</i>
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Fourth Supplemental  
(use as many sheets as necessary)

### Complete if Known

Application Number	10/603,132
Filing Date	June 24, 2003
First Named Inventor	James L. McNaughton
Group Art Unit	— 1781
Examiner Name	— Corbin
Attorney Docket Number	SU-7273

Sheet 1 of 1

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ju	L-87	C.J. Nalepa, "New Bromine-Releasing Granules for Microbiological Control of Cooling Water," paper: 03716 (Corrosion 2003 Houston, TX: NACE International, 2003), ppg 03716/1-03716/15.	
	L-88	Howarth, J.N., et al. "A New, Bromine-Releasing Solid for Microbiological Control of Cooling Water", IWC-01-05, (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 2001), ppg 1-7.	
	L-89	C.J. Nalepa, et al., "Strategies for Effective Control of Surface-Associated Microorganisms: A Literature Perspective," IWC-02-01 (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 2002), 19 pages.	
	L-90	C.J. Nalepa, et al., "The Control of Bacteria on Surfaces: Effectiveness of Bromine-Based Biocides towards Microbial Biofilms and Biofilm-Associated <i>Legionella pneumophila</i> ," paper TP02-13 (Houston, TX: Cooling Technology Institute, 2002), 22 pages.	
	L-91	C.J. Nalepa, J.N. Howarth, and F.D. Azamia, "Factors to Consider When Applying Oxidizing Biocides in the Field," paper 02223 (Houston, TX: NACE International, 2002), 20 pages.	
ju	L-92	C.J. Nalepa, "25 Years of Bromine Chemistry in Industrial Water Systems: A Review", Corrosion 2004, paper 04087 (Houston, TX, NACE International 2004), 30 pages.	

Examiner Signature	ARTHUR L. CORBIN	Date Considered	3-3-06
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